SEQUENCE LISTING

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gac cg Asp Ar																96
cat ac His Th																144
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ata cc Ile Pr																288
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tcg gt Ser Va																384
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cta Leu	cct Pro 210	tct Ser	ggt Gly	ttt Phe	aac Asn	act Thr 215	ttg Leu	aaa Lys	cct Pro	att Ile	ttt Phe 220	aag Lys	ttg Leu	cct Pro	ctt Leu	672
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					tgt Cys											864
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					tca Ser											1104
_			_	_	ttg Leu		_		_	_						1152
					aag Lys 390											1200
caa Gln	act Thr	ggt Gly	gtt Val	att Ile 405	gct Ala	gat Asp	tat Tyr	aat Asn	tat Tyr 410	aaa Lys	ttg Leu	cca Pro	gat Asp	gat Asp 415	ttc Phe	1248
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tct Ser	att Ile	gtg Val 675	gct Ala	tat Tyr	act Thr	atg Met	tct Ser 680	tta Leu	ggt Gly	gct Ala	gat Asp	agt Ser 685	tca Ser	att Ile	gct Ala	2064	ļ
tac Tyr	tct ser 690	aat Asn	aac Asn	acc Thr	att Ile	gct Ala 695	ata Ile	cct Pro	Thr	aac Asn ge 3	Phe 700	tca Ser	att Ile	agc Ser	att Ile	2112	<u>}</u>

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	gcg Ala															2544
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	agt Ser															2784
	ctg Leu 930															2832
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gat Asp	atc Ile	ctt Leu	tcg Ser	cga Arg 965	ctt Leu	gat Asp	aaa Lys	gtc Val	gag Glu 970	gcg Ala	gag Glu	gta Val	caa Gln	att Ile 975	gac Asp	2928

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agg Arg	tta Leu	Ile '	aca Thr 980	ggc Gly	aga (Arg l	ctt c Leu G	ln Se	gc c er Lo 35	tt ca eu G	aa a In Tl	cc ta nr Ty	t gta r Va 990	l Th	a caa r Gln	2976
caa Gln	Leu	atc : Ile : 995	agg Arg	gct Ala	gct (Ala (Glu I	tc a le <i>A</i> 000	agg (Arg /	gct : Ala :	tct (Ser /	Ala As	at (sn 005		gct gct Ala Ala	3024
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100 105 110

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Gly Asn Phe Lys His Leu Arg Glu Phe Val Phe Lys Asn Lys Asp Gly 180

Phe Leu Tyr Val Tyr Lys Gly Tyr Gln Pro Ile Asp Val Val Arg Asp 195 200 205

Leu Pro Ser Gly Phe Asn Thr Leu Lys Pro Ile Phe Lys Leu Pro Leu 210 220 Page 6

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Gln Met Tyr Lys Thr Pro Thr Leu Lys Tyr Phe Gly Gly Phe Asn Phe 770 Ser Gln Ile Leu Pro Asp Pro Leu Lys Pro Thr Lys Arg Ser Phe Ile 785 Glu Asp Leu Leu Phe Asn Lys Val Thr Leu Ala Asp Ala Gly Phe Met Lys Gln Tyr Gly Glu Cys Leu Gly Asp Ile Asn Ala Arg Asp Leu Ile Cys Ala Gln Lys Phe Asn Gly Leu Thr Val Leu Pro Pro Leu Leu Thr 835 840 845 Asp Asp Met Ile Ala Ala Tyr Thr Ala Ala Leu Val Ser Gly Thr Ala 850 Thr Ala Gly Trp Thr Phe Gly Ala Gly Ala Ala Leu Gln Ile Pro Phe 865 880 Ala Met Gln Met Ala Tyr Arg Phe Asn Gly Ile Gly Val Thr Gln Asn 885 Val Leu Tyr Glu Asn Gln Lys Gln Ile Ala Asn Gln Phe Asn Lys Ala 900 Ile Ser Gln Ile Gln Glu Ser Leu Thr Thr Thr Ser Thr Ala Leu Gly 915 920 Lys Leu Gln Asp Val Val Asn Gln Asn Ala Gln Ala Leu Asn Thr Leu Val Lys Gln Leu Ser Ser Asn Phe Gly Ala Ile Ser Ser Val Leu Asn 945 960 950 955 Asp Ile Leu Ser Arg Leu Asp Lys Val Glu Ala Glu Val Gln Ile Asp 965 970 975 Arg Leu Ile Thr Gly Arg Leu Gln Ser Leu Gln Thr Tyr Val Thr Gln 980 Gln Leu Ile Arg Ala Ala Glu Ile Arg Ala Ser Ala Asn Leu Ala Ala 1000 Thr Lys Met Ser Glu Cys Val Leu Gly Gln Ser Lys Arg Val Asp 1010 1015 1020 Phe Cys Gly Lys Gly Tyr His Leu Met Ser Phe Pro Gln Ala Ala 1025 1030 1035

Pro His Gly Val Val Phe Leu His Val Thr Tyr Val Pro Ser Gln

1040 1045 1050

Glu Arg Asn Phe Thr Thr Ala Pro Ala Ile Cys His Glu Gly Lys 1055 1060 1065

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Val Val Leu Ser Phe Glu Leu Leu Asn Ala Pro Ala Thr Val Cys Gly Pro Lys Leu Ser Thr Asp Leu Ile Lys Asn Gln Cys Val Asn Phe Asn Phe Asn Gly Leu Thr Gly Thr Gly Val Leu Thr Pro Ser Ser Lys Arg Phe Gln Pro Phe Gln Gln Phe Gly Arg Asp Val Ser Asp Phe Thr Asp Ser Val Arg Asp Pro Lys Thr Ser Glu Ile Leu Asp Ile Ser Pro Cys Ser Phe Gly Gly Val Ser Val Ile Thr Pro Gly Thr Asn Ala Ser Ser Glu Val Ala Val Leu Tyr Gln Asp Val Asn Cys Thr Asp Val Ser Thr Ala Ile His Ala Asp Gln Leu Thr Pro Ala Trp Arg Ile Tyr Ser Thr Gly Asn Asn Val Phe Gln Thr Gln Ala Gly Cys Leu Ile Gly Ala Glu His Val Asp Thr Ser Tyr Glu Cys Asp Ile Pro Ile Gly Ala Gly Ile Cys Ala Ser Tyr His Thr Val Ser Leu Leu Arg Ser Thr Ser Gln Lys Ser Ile Val Ala Tyr Thr Met Ser Leu Gly Ala Asp Ser Ser Ile Ala Tyr Ser Asn Asn Thr Ile Ala Ile Pro Thr Asn Phe Ser Ile Ser Ile Thr Thr Glu Val Met Pro Val Ser Met Ala Lys Thr Ser Val Asp Cys Asn Met Tyr Ile Cys Gly Asp Ser Thr Glu Cys Ala Asn Leu Leu Leu Gln Tyr Gly Ser Phe Cys Thr Gln Leu Asn Arg Ala Leu Ser Gly Ile Ala Ala Glu Gln Asp Arg Asn Thr Arg Glu Val Phe Ala Gln Val Lys Gln Met Tyr Lys Thr Pro Thr Leu Lys Tyr Phe Gly Gly Phe Asn Phe Page 28

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